Index of Authors

AGATSUMA, T. and HABE, S. Electrophoretic studies on enzymes of diploid and triploid *Paragonimus westermani*, 489

AGATSUMA, T. and HABE, S. The inheritance of enzyme variants of glutamic-oxaloacetic transaminase in *Paragonimus ohirai*, 483

ANDERSON, R. M. *See* MADHAVI, R.

APPLETON, C. C. *See* DONNELLY, FIONA A.

ASH, C. P. J., CROMPTON, D. W. T. and LUNN, P. G. Endocrine responses of protein-malnourished rats infected with *Nippostrongylus brasiliensis* (Nematoda), 359

ATKINSON, H. J. *See* FOX, P. C.

BALL, S. J., PITTILO, R. M., NORTON, C. C. and JOYNER, L. P. Morphological effects of arprinocid on developmental stages of *Eimeria tenella* and *E. brunetti*, 31

BARNWELL, J. W. *See* HOWARD, R. J.

BARRETT, J. *See* MUNIR, WIDAD A.

BICKLE, Q. D. *See* MASTIN, AVIS

BIRD, A. F., JAGO, M. V. and COCKRUM, P. A. Corynetoxins and nematodes, 169

BIRD, A. F. *See* RIDDLE, D. L.

BLACKWELL, JENEFER M. *See* CHANNON, JAQUELINE Y.

BOORSMA, E. G. *See* MONS, B.

BROWN, C. G. D. *See* CONRAD, P. A.

CATCHPOLE, JANET and GREGORY, M. W. Pathogenicity of the coccidium *Eimeria crandallis* in laboratory lambs, 45

CHANNON, JACQUELINE Y. and BLACKWELL, JENEFER M. A study of the sensitivity of *Leishmania donovani* promastigotes and amastigotes to hydrogen peroxide. I. Differences in sensitivity correlate with parasite-mediated removal of hydrogen peroxide, 197

CHANNON, JACQUELINE Y. and BLACKWELL, JENEFER M. A study of the sensitivity of *Leishmania donovani* promastigotes and amastigotes to hydrogen peroxide. II. Possible mechanisms involved in protective H_2O_2 scavenging, 207

CHEEVER, A. W. *See* JAMES, STEPHANIE L.

CHRISTENSEN, A. M. *See* SHINN, G. L.

CLARKSON, M. J. *See* JUDSON, D. G.

COCKRUM, P. A. *See* BIRD, A. F.

CONRAD, P. A., KELLY, B. G. and BROWN, C. G. D. Intraerythrocytic schizogony of *Theileria annulata*, 67

COOP, R. L. *See* GREGORY, P. C.

CRABTREE, JEAN E. and WILSON, R. A. *Schistosoma mansoni*: an ultrastructural examination of skin migration in the hamster cheek pouch, 111

CRIADO-FORNELIO, A. *See* RODRIGUEZ-CAABEIRO, F.

CROMPTON, D. W. T. *See* ASH, C. P. J.

DEN HOLLANDER, J. E. and ERASMUS, D. A. *Schistosoma mansoni*: male stimulation and DNA synthesis by the female, 449

DIXON, J. B. *See* JUDSON, D. G.

DLUZEWSKI, A. R., RANGACHARI, K., WILSON, R. J. M. and GRATZER, W. B. Relation of red cell membrane properties to invasion by *Plasmodium falciparum*, 273

DOBSON, A. P. The population dynamics of competition between parasites, 317

DONNELLY, FIONA A. and APPLETON, C. C. Observations on the field transmission dynamics of *Schistosoma mansoni* and *S. mattheei* in southern Natal, South Africa, 281

DUFFUS, W. P. H. *See* GLAUERT, AUDREY M.

DUNPHY, G. B. and WEBSTER, J. M. Influence of *Steinernema feltiae* (Filipjev) Wouts, Mracek, Gerdin and Bedding DD 136 strain on the humoral and haemocytic responses of *Galleria mellonella* (L.) larvae to selected bacteria, 369

ELING, W. M. C. *See* VAN ZON, A. A. J. C.

ERASMUS, D. A. *See* DEN HOLLANDER, J. E.

EVANS, W. H. *See* PAYARES, G.

FOX, P. C. and ATKINSON, H. J. Enzyme variation in pathotypes of the potato cyst nematodes *Globodera rostochiensis* and *G. pallida*, 499
FOX, P. C. and ATKINSON, H. J. Pyrolysis gas–liquid chromatography of the pathotypes of the potato cyst nematodes *Globodera rostochiensis* and *G. pallida*, 507
FRANSEN, J. *See* VERCROYSSE, J.

GEMMELL, M. A. *See* LAWSON, J. R.
GILL, H. S. and WALKER, A. R. Differential cellular responses at *Hyalomma anatolicum anatolicum* feeding sites on susceptible and tick-resistant rabbits, 591
GLAUERT, AUDREY M., LAMMAS, D. A. and DUFFUS, W. P. H. Ultrastructural observations on the interaction *in vitro* between bovine eosinophils and juvenile *Fasciola hepatica*, 459
GRATZER, W. B. *See* DLUZEWSKI, A. R.
GREGORY, M. W. *See* CATCHPOLE, JANET
GREGORY, P. C., WENHAM, G., POPPI, D., COOP, R. L., MACRAE, J. C. and MILLER, S. J. The influence of a chronic subclinical infection of *Trichostrongylus colubriformis* on gastrointestinal motility and digesta flow in sheep, 381

HABE, S. *See* AGATSUMA, T.
HARRIS, P. D. Observations on the development of the male reproductive system in *Gyrodactylus gasterostei* Gläser, 1974 (Monogenea, Gyrodactylidae), 519
HARTLEY, R. H. *See* SINDEN, R. E.
HERMSEN, C. C. *See* VAN ZON, A. A. J. C.
HIRUMI, H. *See* MURRAY, M.
HOWARD, R. J. and BARNWELL, J. W. Immunochemical analysis of surface membrane antigens on erythrocytes infected with non-cloned SICA[+] or cloned SICA[−] *Plasmodium knowlesi*, 245

JAGO, M. V. *See* BIRD, A. F.
JAMES, STEPHANIE L. and CHEEVER, A. W. Comparison of immune responses between high and low responder strains of mice in the concomitant immunity and vaccine models of resistance to *Schistosoma mansoni*, 301
JANSE, C. J., MONS, B., ROUWENHORST, R. J., VAN DER KLOOSTER, P. F. J., OVERDULVE, J. P. and VAN DER KAAY, H. J. *In vitro* formation of ookinetes and functional maturity of *Plasmodium berghei* gametocytes, 19
JANSE, C. J., ROUWENHORST, R. J., VAN DER KLOOSTER, P. F. J., VAN DER KAAY, H. J. and OVERDULVE, J. P. Development of *Plasmodium berghei* ookinetes in the midgut of *Anopheles atroparvus* mosquitoes and *in vitro*, 219
JANSE, C. J. *See* MONS, B.
JIMENEZ-GONZALEZ, A. A. *See* RODRIGUEZ-CAABEIRO, F.
JOYNER, L. P. *See* BALL, S. J.
JUDSON, D. G., DIXON, J. B., CLARKSON, M. J. and PRITCHARD, J. Ovine hydatidosis: some immunological characteristics of the seronegative host, 349

KELLY, B. G. *See* CONRAD, P. A.
KERBOEUF, DOMINIQUE. The effect of host density on the establishment and fecundity of *Heligmosomoides polygyrus*, 177

LAMMAS, D. A. *See* GLAUERT, AUDREY M.
LARSON, O. R. *See* UGLEM, G. L.
LAWSON, J. R. and GEMMELL, M. A. The potential role of blowflies in the transmission of taeniid tapeworm eggs, 129
LEWIS, M. C. *See* UGLEM, G. L.
LUNN, P. G. *See* ASH, C. P. J.

MACRAE, J. C. *See* GREGORY, P. C.
MADHAVI, R. and ANDERSON, R. M. Variability in the susceptibility of the fish host, *Poecilia reticulata*, to infection with *Gyrodactylus bullatarudis* (Monogenea), 531
MASTIN, AVIS, BICKLE, Q. D. and WILSON, R. A. An ultrastructural examination of irradiated, immunizing schistosomula of *Schistosoma mansoni* during their extended stay in the lungs, 101

McLaren, Diane J. *See* Payares, G.
Miller, S. J. *See* Gregory, P. C.
Moloo, S. K. *See* Murray, M.
Mons, B. *See* Janse, C. J.
Mons, B., Janse, C. J., Boorsma, E. G. and Van der Kaay, H. J. Synchronized erythrocytic schizogony and gametocytogenesis of *Plasmodium berghei in vivo* and *in vitro*, 423
Munir, Widad A. and Barrett, J. The metabolism of xenobiotic compounds by *Hymenolepis diminuta* (Cestoda: Cyclophyllidea), 145
Murray, M., Hirumi, H. and Moloo, S. K. Suppression of *Trypanosoma congolense*, *T. vivax* and *T. brucei* infection rates in tsetse flies maintained on goats immunized with uncoated forms of trypanosomes grown *in vitro*, 53
Murrills, R. J., Reader, T. A. J. and Southgate, V. R. Studies on the invasion of *Notocotylus attenuatus* (Notocotylidae: Digenea) into its snail host *Lymnaea peregra*: the contents of the fully embryonated egg, 397
Murrills, R. J., Reader, T. A. J. and Southgate, V. R. Studies on the invasion of *Notocotylus attenuatus* (Notocotylidae: Digenea) into its snail host, *Lymnaea peregra*. *In vitro* observations on the hatching mechanism of the egg, 545

Nakazawa, Shushke. *See* Waki, Seiji
Norton, C. C. *See* Ball, S. J.

Okot-Kotber, B. M. A rapid chromatographic method for elimination of fungal contamination in *in vitro* cultures of *Leishmania* spp., 1
Overdulve, J. P. *See* Janse, C. J.
Ovington, K. S. Dose-dependent relationships between *Nippostrongylus brasiliensis* populations and rat food intake, 157

Payares, G., Mclaren, Diane J., Evans, W. H. and Smithers, S. R. Changes in the surface antigen profile of *Schistosoma mansoni* during maturation from cercaria to adult worm, 83
Phillips, R. A. *See* Storey, G. W.
Pittilo, R. M. *See* Ball, S. J.
Playfair, J. H. L. *See* Waki, Seiji
Poppi, D. *See* Gregory, P. C.
Pritchard, J. *See* Judson, D. G.

Rangachari, K. *See* Dluzewski, A. R.
Reader, T. A. J. *See* Murrills, R. J.
Riddle, D. L. and Bird, A. F. Responses of the plant parasitic nematodes *Rotylenchulus reniformis*, *Anguina agrostis* and *Meloidogyne javanica* to chemical attractants, 185
Riley, J. *See* Winch, Judith M.
Rodriguez-Caabeiro, F., Criado-Fornelio, A. and Jimenez-Gonzalez, A. A. A comparative study of the succinate dehydrogenase–fumarate reductase complex in the genus *Trichinella*, 577
Rollinson, D. *See* Vercroysse, J.
Rouwenhorst, R. J. *See* Janse, C. J.

Sherman, Irwin W. Membrane structure and function of malarial parasites and the infected erythrocyte, 609
Sinden, R. E., Hartley, R. H. and Winger, L. The development of *Plasmodium ookinetes in vitro*: an ultrastructural study including a description of meiotic division, 227
Skorping, Arne. Parasite-induced reduction in host survival and fecundity: the effect of the nematode *Elaphostrongylus rangiferi* on the snail intermediate host, 555
Smithers, S. R. *See* Payares, G.
Southgate, V. R. *See* Murrills, R. J.
Southgate, V. R. *See* Vercroysse, J.
Storey, G. W. and Phillips, R. A. The survival of parasite eggs throughout the soil profile, 585

Targett, G. A. T. *See* Waki Seiji
Taverne, Janice. *See* Waki, Seiji

THOMPSON, A. B. *Profilicollis botulus* (Acanthocephala) abundance in the eider duck (*Somateria mollissima*) on the Ythan estuary, Aberdeenshire, 563

UGLEM, G. L., LEWIS, M. C. and LARSON, O. R. Niche segregation and sugar transport capacity of the tegument in digenean flukes, 121

VAN DER KAAY, H. J. *See* JANSE, C. J.
VAN DER KAAY, H. J. *See* MONS, B.
VAN DER KLOOSTER, P. F. J. *See* JANSE, C. J.
VAN ZON, A. A. J. C., ELING, W. M. C. and HERMSEN, C. C. Pregnancy-induced recrudescences strengthen malarial immunity in mice infected with *Plasmodium berghei*, 9
VERCRUYSSE, J., FRANSEN, J., SOUTHGATE, V. R. and ROLLINSON, D. Pathology of *Schistosoma curassoni* infection in sheep, 291

WAKI, SEIJI, NAKAZAWA, SHUSHKE, TAVERNE, JANICE, TARGETT, G. A. T. and PLAYFAIR, J. H. L. Immunity to an attenuated variant of *Plasmodium berghei*: role of some non-specific factors, 263
WALKER, A. R., *See* GILL, H. S.
WEBSTER, J. M. *See* DUNPHY, G. B.
WENHAM, G. *See* GREGORY, P. C.
WILSON, R. A. *See* CRABTREE, JEAN E.
WILSON, R. A. *See* MASTIN, AVIS
WILSON, R. J. M. *See* DLUZEWSKI, A. R.
WINCH, JUDITH M. and RILEY, J. Experimental studies on the life-cycle of *Raillietiella gigliolii* (Pentastomida: Cephalobaenida) in the South American worm-lizard *Amphisbaena alba*: a unique interaction involving two insects, 471
WINGER, L. *See* SINDEN, R. E.

Index of Subjects

Abundance, of *Profilicollis botulus* in eider ducks, 563
Acquired immunity, effect of pregnancy on in *Plasmodium berghei*-infected mice, 9
Amastigotes, sensitivity of to hydrogen peroxide, 197, 207
Amphisbaena alba, studies on the life-cycle of *Raillietiella gigliolii* in, 471
Anguina agrostis, measurement of chemotaxis by, 185
Anthelmintics, use of in a comparative study of the succinate dehydrogenase–fumarate reductase complex in the genus *Trichinella*, 577
Antigen, surface profile changes in during maturation, in *Schistosoma mansoni*, 83
Antigens, on erythrocytes infected with *Plasmodium knowlesi*, 245
Arprinocid, effects of on the developmental stages of *Eimeria* spp., 31
Ascaris lumbricoides, survival of the eggs of throughout the soil profile, 585
Attenuated variant of *Plasmodium berghei*, non-specific immunity to, 263

Blowflies, role of in the transmission of taeniid tapeworm eggs, 129

Cellular responses, at *Hyalomma anatolicum anatolicum* feeding sites, 591
Cercarial transmission, observations on the dynamics of in *Schistosoma* spp., 281
Chemotaxis, in plant parasitic nematodes, 185
Competition between parasites, population dynamics of, 317
Contamination, elimination of from *Leishmania* cultures, 1
Corynetoxins, effects of on nematodes, 169

Development, effect of host nutritional status on in *Nippostrongylus brasiliensis*, 157
effects of arprinocid on in *Eimeria* spp., 31
of the male reproductive system in *Gyrodactylus gasterostei*, 519
of the ookinetes of *Plasmodium berghei in vivo* and *in vitro*, 219, 227
Digenean flukes, sugar transport capacity of the tegument of, 121
Digesta flow, effect of chronic subclinical *Trichostrongylus colubriformis* infections on, 381
Dispersal, of taeniid tapeworm eggs, 129
DNA synthesis, by female *Schistosoma mansoni*, 449

Egg, of *Notocotylus attenuatus*, an ultrastructural study, 397
Eggs, survival of throughout the soil profile, 585
Egg hatching, mechanism of in *Notocotylus attenuatus*, 545
Egg transmission, potential role of blowflies in for taeniid tapeworms, 129
Eider ducks, abundance of *Profilicollis botulus* in, 563
Eimeria crandallis, pathogenicity of in laboratory lambs, 45
Eimeria spp., morphological effects of arprinocid on developmental stages of, 31
Elaphostrongylus rangiferi, effect of on survival of its snail host, 555
Electrophoretic analysis, of enzymes of diploid and triploid *Paragonimus westermani*, 489
Endocrine responses, of protein-malnourished rats infected with *Nippostrongylus brasiliensis*, 359
Enzyme analysis, of diploid and triploid *Paragonimus westermani*, 489
Enzyme variants, of GOT, inheritance of in *Paragonimus ohirai*, 483
Enzyme variation, in pathotypes of *Globodera rostochiensis* and *G. pallida*, 499
Eosinophils, bovine, interaction of with *Fasciola hepatica in vitro*, 459
Erythrocytes, effect of membrane properties of, on invasion by *Plasmodium falciparum*, 273
surface membrane antigens on during malaria infection, 245

Fasciola hepatica, interaction of with bovine eosinophils *in vitro*, 459
Fecundity, of *Heligmosomoides polygyrus*, effect of host density on, 177
parasite-induced reduction in, studied in *Elaphostrongylus rangiferi* in its snail host, 555
Feeding sites, of *Hyalomma anatolicum anatolicum*, cellular infiltration into, 591
Fumarate reductase, a comparative study of the activity of in the genus *Trichinella*, 577
Fungal contamination, elimination of from *Leishmania* cultures, 1

Galleria mellonella, resistance of to selected bacteria, influence of *Steinernema feltiae* on, 369
Gametocytes, functional maturity of in *Plasmodium berghei*, 19

Gametocytogenesis, synchronization of in *Plasmodium berghei*, 423
Globodera spp., enzyme variation in the pathotypes of, 499
pyrolysis gas–liquid chromatography of the pathotypes of, 507
Glutamic–oxaloacetic transaminase, inheritance of enzyme variants of in *Paragonimus ohirai*, 483
Guppy, susceptibility of to infection with *Gyrodactylus bullatarudis*, 531
Gut motility, effect of chronic subclinical *Trichostrongylus colubriformis* infections on, 381
Gyrodactylus gasterostei, spermatogenesis in, 519
Gyrodactylus bullatarudis, susceptibility of its fish host, *Poecilia reticulata*, to infection with, 531

Hatching, mechanism of in *Notocotylus attenuatus* eggs, 545
Heligmosomoides polygyrus, effect of host density on the fecundity of, 177
Helminths, population dynamics of competition between, 317
Heptacarpus kincaidi, description of a new species of turbellarian infesting, 431
Histopathology, of *Schistosoma curassoni* infections in sheep, 291
Hormones, effects of on nutritional status in *Nippostrongylus brasiliensis*-infected rats, 359
Host density, effect of on the establishment and fecundity of *Heligmosomoides polygyrus*, 177
Hyalomma anatolicum anatolicum cellular responses at the feeding sites of, 591
Hydatidosis, immunological characteristics of seronegative sheep, 349
Hydrogen peroxide, sensitivity of *Leishmania donovani* to, 197, 207
Hymenolepis diminuta, metabolism of xenobiotic compounds by, 145

Immunity, to an attenuated variant of *Plasmodium berghei*, 263
to *Schistosoma mansoni* in high and low responder mice, 301
Immunochemical analysis, of surface membrane antigens on malaria-infected erythrocytes, 245
Infection rates, suppression of for *Trypanosoma* spp. in tsetse flies, 53
Intraerythrocytic schizogony, of *Theileria annulata*, 67
Invasion, by *Plasmodium falciparum*, effect of red cell membrane properties on, 273
of *Notocotylus attenuatus* into its snail host, 397, 545
Isozymes of diploid and triploid *Paragonimus westermani*, 489

Kronborgia pugettensis sp.nov., an endoparasitic turbellarian infesting the shrimp, 431

Leishmania cultures, elimination of fungal contamination in, 1
Leishmania donovani, sensitivity of to hydrogen peroxide, 197, 207
Life-cycle, of *Raillietiella gigliolii*, 471
Life-history, of *Kronborgia pugettensis* sp.nov., 431

Malaria, membrane structure and function of the parasite and the infected erythrocyte, 609
Malarial immunity, in pregnant *Plasmodium berghei*-infected mice, 9
Malarial invasion, effects of erythrocyte membrane properties on, 273
Male reproductive system, development of in *Gyrodactylus gasterostei*, 519
Maturation, of *Schistosoma mansoni*, surface antigen profile changes during, 83
Maturity, related to function and morphology of *Plasmodium berghei* gametocytes, 19
Mechanism, of evasion of eosinophil-mediated damage to juvenile *Fasciola hepatica in vitro*, 459
of protective hydrogen peroxide scavenging in *Leishmania donovani*, 207
Meiosis, in *Plasmodium berghei* ookinetes, 227
Meloidogyne javanica, measurement of chemotaxis by, 185
Membrane structure and function, of malaria parasites and malaria-infected erythrocytes, 609
Metabolism, of xenobiotic compounds by *Hymenolepis diminuta*, 145
Migration, of the schistosomula of *Schistosoma mansoni*, an ultrastructural study of, 111
Models, to describe competition between helminth parasites, 317
Morphology, effects of arprinocid on in *Eimeria* spp., 31
Mycotic contamination, removal of from *Leishmania* cultures, 1

Nematode–bacterium complexes, factors influencing the virulence of, 369
Nematode spp., toxic effect of corynetoxins on, 169
New species, *Kronborgia pugettensis*, an endoparasitic turbellarian infesting the shrimp, 431
Niche segregation, correlation of with sugar transport in digenean flukes, 121
Nippostrongylus brasiliensis, endocrine responses of protein-malnourished rats infected with, 359
relationship between infections of and food intake in well-nourished rats, 157

Notocotylus attenuatus, invasion of into its snail host, 397, 545
Nutritional status, effect of on development of *Nippostrongylus brasiliensis* in rats, 157
effect of on endocrine response in protein-malnourished, *Nippostrongylus brasiliensis*-infected rats, 359

Ookinetes, *in vitro* formation of by *Plasmodium berghei*, 19
of *Plasmodium berghei*, development of *in vivo* and *in vitro*, 219, 227
Ovine hydatidosis, immunological characteristics of the seronegative host, 349

Paragonimus ohirai, inheritance of enzyme variants of GOT in, 483
Paragonimus westermani, electrophoretic enzyme analysis of, 489
Pathogenicity, of *Eimeria crandallis* in laboratory lambs, 45
Pathology, of *Schistosoma curassoni* infections in sheep, 291
Pathotypes, of *Globodera* spp., enzyme variation in, 499
of *Globodera* spp., pyrolysis gas–liquid chromatography of, 507
Plant parasitic nematodes, chemotaxis in, 185
Plasmodium berghei, an ultrastructural study of the development of the ookinetes of, 227
development of techniques for the synchronization of, 423
development of the ookinetes of *in vivo* and *in vitro*, 219, 227
immunity and pregnancy in mice, 9
immunity to an attenuated variant of, 263
in vitro formation of ookinetes of, 19
Plasmodium falciparum, effects of changes in erythrocyte membrane on invasion by, 273
Plasmodium knowlesi, effect of infection by on host erythrocyte surface antigens, 245
Plasmodium spp., membrane structure and function of, 609
Poecilia reticulata, susceptibility of to infection with *Gyrodactylus bullatarudis*, 531
Populations, of *Nippostrongylus brasiliensis* related to daily food intake in rats, 157
Population dynamics, of competition between parasites, 317
Potato cyst nematodes, enzyme variation in pathotypes of, 499
pyrolysis of the pathotypes of, 507
Pregnancy, effect of on malarial immunity in mice, 9
Profilicollis botulus, abundance of in eider ducks, 563
Promastigotes, sensitivity of to hydrogen peroxide, 197, 207
Pyrolysis, of the pathotypes of *Globodera* spp., 507

Radiation-attenuated schistosomula, an *in situ* ultrastructural study of, 101
Raillietiella gigliolii, experimental studies on the life-cycle of, 471
Resistance models for *Schistosoma mansoni*, comparison of in high and low responder mice, 301
Rotylenchus reniformis, measurement of chemotaxis by, 185

Schistosoma curassoni, pathology of infections of in sheep, 291
Schistosoma mansoni, an *in situ* ultrastructural study of the irradiated schistosomula of, 101
an ultrastructural study of the skin migration of, 111
changes in surface antigen profile of during maturation, 83
comparison of immunity to in high and low responder mice, 301
male stimulation and DNA synthesis by the female of, 449
Schistosoma spp., observations on the field transmission dynamics of, 281
Schistosomula, an ultrastructural study of the skin migration of, 111
radiation-attenuated, an *in situ* ultrastructural study of, 101
Schizogony, of *Theileria annulata* in erythrocytes of infected cattle, 67
synchronization of in *Plasmodium berghei*, 423
Sensitivity, of *Leishmania donovani* to hydrogen peroxide, 197, 207
Seronegativity, in ovine hydatidosis, 349
Sexual development, and DNA synthesis in *Schistosoma mansoni*, 449
Snails, effect of the nematode *Elaphostrongylus rangiferi* on the survival and fecundity of, 555
Species variation, detection of by differences in detoxification reactions, 145
Spermatogenesis, in *Gyrodactylus gasterostei*, 519
Steinernema feltiae, influence of on the defences of *Galleria mellonella* larvae to bacteria, 369
Succinate dehydrogenase, a comparative study of the activity of in the genus *Trichinella*, 577
Sugar transport, in the tegument of digenean flukes, 121

Suppression, of *Trypanosoma* spp. infections in tsetse flies, 53
Surface antigen, changes in during maturation of *Schistosoma mansoni*, 83
Surface membrane antigens, on malaria-infected erythrocytes, 245
Survival, of *Heligmosomoides polygyrus*, effect of host density on, 177
of parasite eggs throughout the soil profile, 585
of the host, parasite-induced reduction in, studied in *Elaphostrongylus rangiferi* in its snail host, 555
Susceptibility, of *Poecilia reticulata* to infection with *Gyrodactylus bullatarudis*, 531

Taenia saginata, survival of the eggs of throughout the soil profile, 585
Taeniid tapeworm eggs, possible transmission of by blowflies, 129
Tegument, sugar transport capacity of in digenean flukes, 121
Theileria annulata, intraerythrocytic schizogony in, 67
Toxicity, of corynetoxins on various nematodes, 169
Transmission, of taeniid tapeworm eggs, 129
Transmission dynamics, of *Schistosoma* spp., 281
Trichinella spp., a comparative study of the succinate dehydrogenase–fumarate reductase complex in, 577
Trichostrongylus colubriformis, effect of chronic infections with on gut motility in sheep, 381
Trypanosoma spp., suppression of infection by in tsetse flies, 53

Ultrastructural study, of cellular infiltration at tick feeding sites, 591
of egg hatching in *Notocotylus attenuatus*, 545
of intraerythrocytic schizogony of *Theileria annulata*, 67
of the interaction between bovine eosinophils and *Fasciola hepatica*, 459
of irradiated *Schistosoma mansoni* schistosomula, 101
of skin migration of schistosomula, 111
of the development of the ookinetes of *Plasmodium berghei*, 227
of the effects of corynetoxins on nematode cuticle, 169
of the invasion of *Notocotylus attenuatus* into its snail host, 397

Variant, an attenuated form of in *Plasmodium berghei*, 263
Virulence, of nematode–bacterium complexes, factors influencing, 369